

olé

Film Interactive Touchpad



OLE2

PATENT PENDING

2-gang touchpad with interchangeable films

Installation Manual

ELAN®

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Introduction

The OLÉ2 (*patent pending*) Film Interactive Touchpad (FIT) is a double-gang, in-wall system controller that uses a touch overlay in lieu of hard buttons to perform all functions normally associated with a keypad. Source and system control icons and function names are printed on interchangeable backlit film transparencies. Each icon or function name corresponds to an active “hot spot” that issues a control command and gives both audible and visual confirmation to the user when pressed.

Multiple IR commands, or ‘Sequences’, can be issued from a single press of any button on any template. The touchpad features a 4-line, 1.2" color OLED to provide source, system and programming feedback to the user. Programming is accomplished with ELAN's VIA!TOOLS Setup Software and is done through a direct link from a computer to the mini-USB Download Port on the front of the unit.

The OLÉ2 is designed to use easily installed Overlays that are available in a wide variety of configurations in various graphical themes to match any functional requirements and any room's décor. Three levels of complexity are available to customize each touchpad, from basic functionality to advanced system control.

Film Interactive Technology

The OLÉ2 utilizes a polyester plastic film suspended over a glass panel, which is placed over a changeable backlit Overlay. Depressing the polyester film with a finger allows the film to touch the glass panel underneath, generating a location signal that is read by the electronics. Each button location (or “hot spot”) is assigned an IR or RS-232 command that controls sources such as A/V equipment, HVAC systems, drapes, shades, lighting systems, or even fireplaces! Each touchpad is custom-programmed to perform exactly the functions required for each individual home, room, and/or system.

Features

- **Full touchpad design, no hard buttons**
- **Interchangeable control templates**
- **1.2" color OLED (Organic LED)**
- **Brightness-adjusting light sensor**
- **Audible 'click' to indicate a button press (can be disabled in software)**
- **Enhanced VIA!TOOLS programming**
- **Compatible with all current ELAN multi-room controllers**
- **Stand-alone use in any IR-based system**
- **Z•NET/VIA!NET compatibility**
- **Two-way RS-232 feedback capability**
- **Built-in IR receiver for IR pass-through and IR learning (can be disabled in software)**
- **Connectivity for Local IR Output and Remote IR Receiver**
- **System Sense sequence capability**
- **Fits in a double-gang electrical box**
- **Virtually unlimited IR command sequences issued from any button press**
- **Multiple wall plate options for enhanced décor-matching**
- **Patent Pending**

Installation & Usage Tips

- When properly installed, nothing should be applying contact pressure to the touchpad except for the operator's finger. If something is touching the touchscreen window a false signal can be generated, causing the touchpad not to respond a finger press (ELAN does not recommend wrapping the removable frame with wallpaper as this can cause the aforementioned symptom). Too much force on the front of the touchpad, or concentrated pressure, can damage the polyester film or break the underlying glass plate.
- Avoid installation in direct sunlight or strong ultraviolet light (such as grow lamps, plant lights, or compact fluorescent lights). This can degrade and discolor the polyester film.
- Avoid installation over heat generating devices and/or in moist areas where condensate can form on the polyester film. Both heat and condensed moisture can affect touch screen performance.
- Avoid installation next to thermostats. The touch screen generates heat that can effect thermostat control and readings.
- Avoid applying any foreign objects, such as adhesive labels, on the touchscreens polyester film. This can release chemicals that can discolor the clear film.
- The touchpad should not be mounted near electronics that emit radio frequencies or electromagnetic interference (such as the deflection circuits of CRT monitors, light dimmers, and some power supplies)
- The edge of the touchpad has exposed sharp glass. Be careful when handling the assembly in order to avoid injury.

Cleaning The Touch Screen

To clean the polyester film, first use a soft dry cloth to remove contamination. If dust or smudges are still present, use a damp cloth that has been squeezed of excess water to remove the contaminant. If contaminants are still present, use a non-abrasive cleaner or detergent to clean the polyester film. Use of strong chemicals and/or some cleaning agents may discolor the polyester film. The following cleansers have been tested and approved for cleaning an OLÉ2 Touchpad:

- Windex® Glass Cleaner
- Formula 409® Cleaner
- Mr. Clean®

The following substances have also been tested and shown to have no adverse effects to the touchpad's polyester film:

- | | |
|-----------------------|--------------------------------------|
| • Coffee | • Paraffin based grease |
| • Tea | • Ammonia |
| • Ketchup | • Carburetor cleaner |
| • Mustard | • Ethanol |
| • Tomato Juice | • Acetone |
| • Lemon Juice | • Hydro-seal® |
| • Hand Lotion | • Nitric Acid <10% |
| • Bleach | • Toluene |
| • 10W40 motor oil | • Hydrochloric Acid <10% |
| • Turpentine | • Methyl ethyl ketone |
| • Brake Fluid | • Ethyl acetate |
| • Wisk® | • Cyclohexanone |
| • Diesel oil | • Xylene Dimethylformamide |
| • Lube grease | • 1.1.1 Trichlorethane Diethyl ether |
| • Copper based grease | • Sodium hydroxide <10% |

Specifications

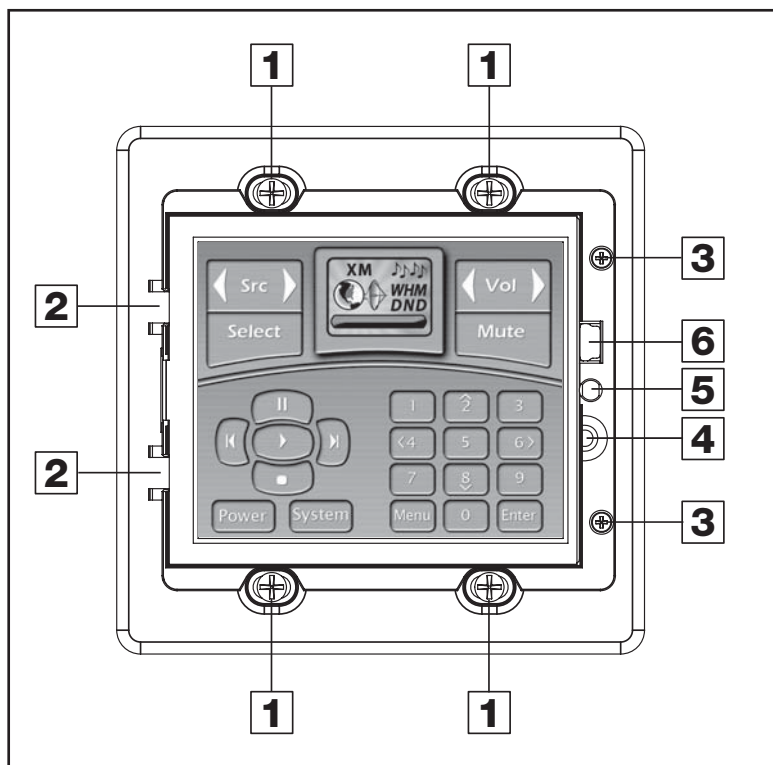
Viewing Angle	180° up/down, 180° left/right
Operating Temp.	32°F-104°F / 0°C-40°C
OLED Display	Type: 1.2" Organic LED (OLED) Colors: 65K Resolution: 96 pixels (W) x 64 pixels (H)
Connections	System Port: RJ-45 Interface Port: 5-position screw terminal Download Port: Mini USB
Wiring Requirements	Cat-5
Power Requirements	12VDC/150mA or 16VDC/150mA
Dimensions (w/ Wall Plate)	(in.) 4 5/8(W) x 4.5/8(H) x 1 3/16(D) (mm) 117(W) x 117(H) x 30(D)
Dimensions (w/o Wall Plate)	(in.) 4 7/16(W) x 4 7/16(H) x 1 1/8(D) (mm) 112(W) x 112(H) x 26(D) Fits in 32 cu in. double-gang electrical box
Weight	14 oz./0.4kg
Shipping Weight	16 oz./0.45kg

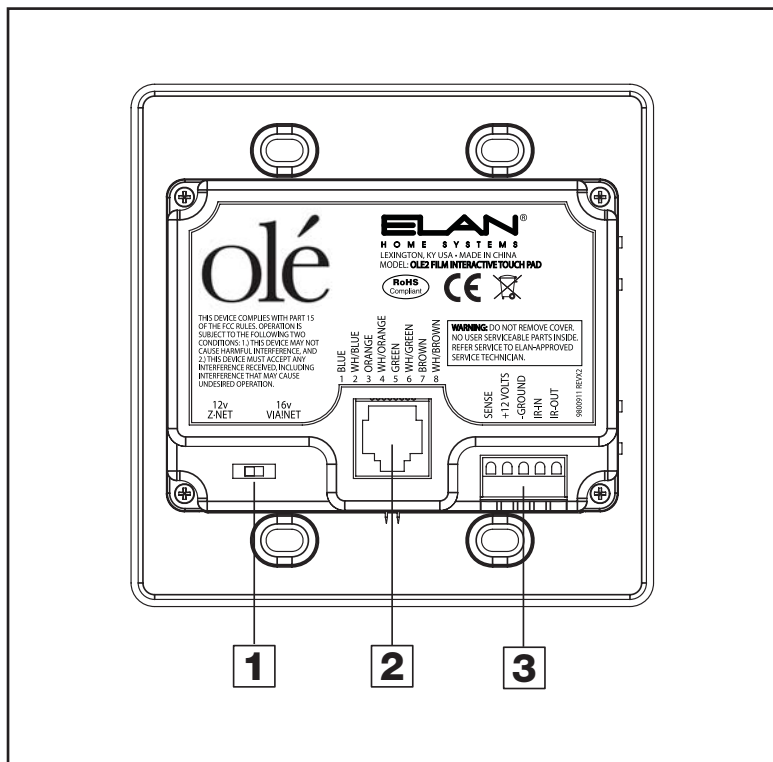
Power Consumption/Maximum Load per ELAN Multi-Room Controller

Each OLÉ2 Touchpad draws 150mA in either 12V or 16V mode. Use the table below to determine the maximum number of touchpads that can be used per ELAN Multi-Room System Controller.

S6		S12		Z•630	
# of OLÉs Per Zone	# of OLÉs Per S6	# of OLÉs Per Zone	# of OLÉs Per S12	# of OLÉs Per Zone	# of OLÉs Per Z•630
1	6	2	16	1	3

Note: See **System Connections** for specific recommendations when an application requires exceeding the above Maximum loads.

OLÉ2-Front**1** Mounting Screw (X 4)**4** Program Button**2** Overlay Hinge (X 2)**5** Light Sensor**3** Overlay Screw (X 2)**6** Mini USB Download Port

OLÉ2-Rear

1 Z•NET/VIA!NET Switch

2 System RJ-45 Jack

3 Interface Port

Overlays

The OLÉ2 can utilize three different Overlay templates in order to customize its functionality for various applications. Each template is available in various Motifs in order to match a wide variety of decors. Each Motif contains a Basic (Template 13), Moderate (Template 17), and Advanced (Template 25) layout. These designations are important when designing a system and programming the touchpads.



Template 13



Template 17



Template 25

System Design, Installation and Connections

Planning

Before installing the OLÉ2, it is essential to have a detailed and accurate system design. Talk with the homeowner to make sure all expectations and design goals are explored. The first step to a good design is to map the system. It is advisable to mark up a copy of the house floor plan with speaker, keypad, touch panel, volume control, and equipment locations etc. Make sure that all locations are decided upon before pre-wiring commences so that all necessary wiring and installation hardware is in place.

It is essential that ALL system components are accounted for prior to the pre-wire stage. After establishing design goals with the homeowner, make a detailed list of all components. Include source equipment, keypads, touch panels, volume controls, amplifiers, communications gear, etc. Gather up any IR remote controls that may be necessary for final programming, or ensure that the IR codes for all equipment to be installed are available in the VIA!TOOLS IR Library.

Installation

The OLÉ2 is designed to fit into a standard 32 cu. in. two-gang electrical box. Consult local building codes for specifics in your geographic area.

Pre-Wire

The OLÉ2 requires power, control, and status to function correctly. Each Touchpad has an RJ45 jack on the back to allow for easy connection. Run Cat-5 wire from the main central equipment location (head-end) to the location where each Touchpad will be installed.

ELAN recommends the use of C45P RJ-45-to-pigtail interface cables when installing Touchpads. The RJ-45 pinout for each ELAN multi-room controller is included in the manual for that particular product.

Note: Use of wire other than Cat-5 may produce undesired results (IR bandwidth may be narrowed or interference may occur).

Maximum wire run is 500 feet.

Rough-In

Roughing-in the OLÉ2 requires careful attention to the design plan made previously. See System Design & Applications for a list of things to factor in to specific mounting locations before deciding exactly where to place the unit. In order to avoid Electro-Magnetic Interference (EMI), do not mount Touchpads close to light dimmers. Leave at least one stud-bay open between Touchpads and dimmers (leave more space if multiple dimmers are present). Avoid installing OLÉ Touchpads in areas that will receive direct sunlight. Sunlight can flood the IR receiver and make the system inoperative.

Do not mount Touchpads outdoors! Corrosion will damage them. ELAN does not warrant OLÉ Touchpads for outdoor use.

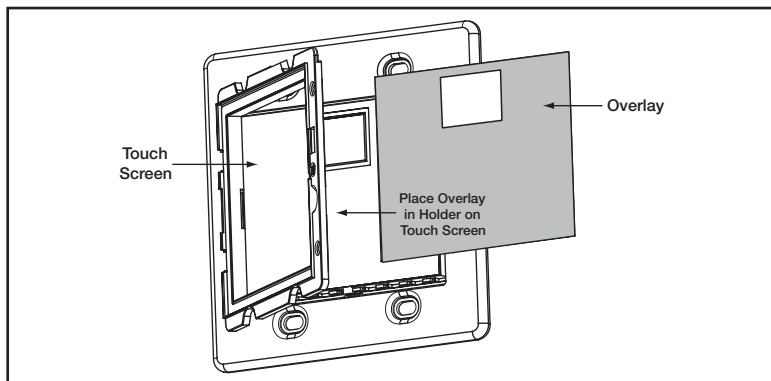
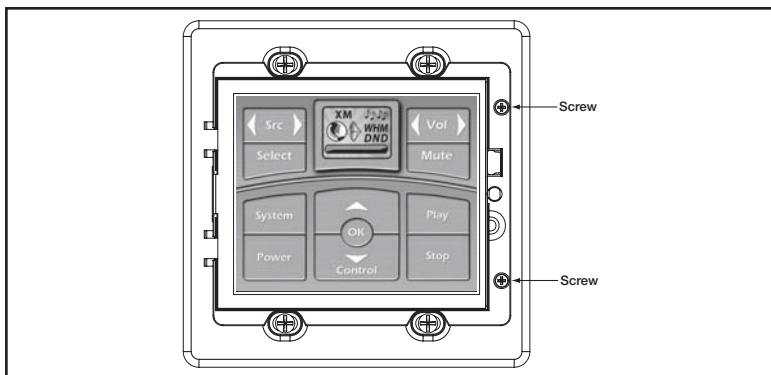
Mounting Height

For proper viewing, mount the OLÉ2 56-60 inches from the floor to the bottom of the frame. This will provide optimum viewing for the largest number of people.

Changing Overlays

To change Overlays:

1. Remove the magnetic Wall Plate from the front of the unit.
2. Remove the two Overlay screws on the right side of the unit.
3. Use the notch located in the upper right-hand corner to open the Touch Screen (45° max.).
4. Remove the existing Overlay.
5. Place the new Overlay into the holder of the transparent Touch Screen making sure of the proper orientation.
6. Close the Touch Screen.
7. Replace the two Overlay screws.
8. Replace the Wall Plate.

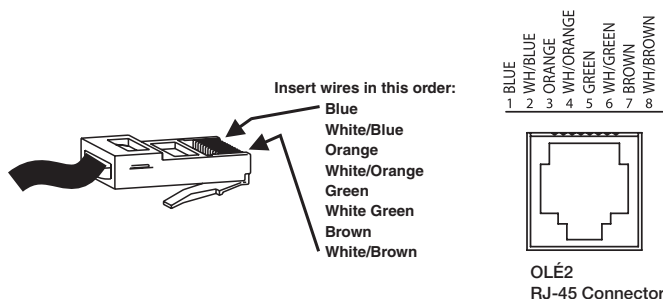


Connectors/Pinout

The OLÉ2 has a System RJ-45 connector and a five pin Local/AUX connector which each perform specific functions. All applications will use the RJ-45 connector, while certain situations will require the use of the Local/AUX connector.

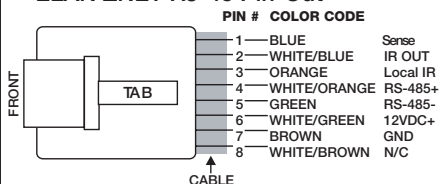
RJ-45 Connector

The System RJ-45 provides required functionality for all system types. Use this connector when the OLÉ2 is used in an ELAN Multi-Room Controller-based system (ELAN S or Z• System). This connector must also be used in Stand-Alone systems and systems with Local applications. Use ELAN Standard Pinout configuration.



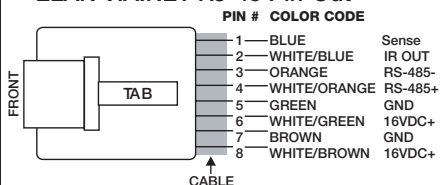
**Use ZNET
when NOT
using a
VIA!-SC4
or
VIA!2-SS1**

ELAN ZNET RJ-45 Pin-Out



**Use VIA!NET
when
using a
VIA!-SC4
or
VIA!2-SS1**

ELAN VIA!NET RJ-45 Pin-Out



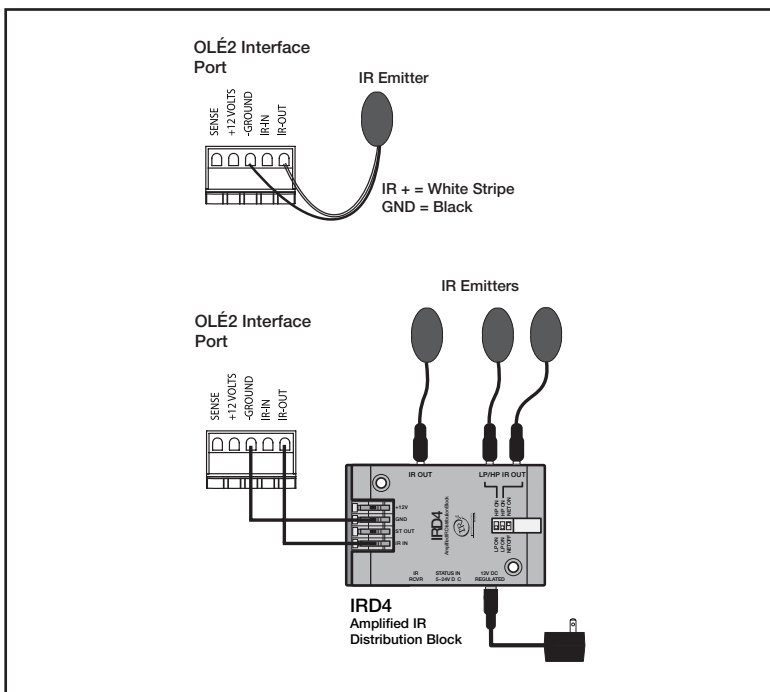
Interface Port

Use this connector when utilizing the OLÉ2's Local Control features such as Local source control, Local IR Sensors, or Sense-enabled automated sequences.

IR OUT

The Local IR Output is typically used to control a device that is not part of the main IR system, such as a TV or DVD player located within the same room as the touchpad or an ELAN Electronic Volume Control such as a VSE100. IR is routed to an emitter or IR distribution block connected to the Local IR Output in two ways:

1. Any IR signal that is received from the Local IR Input is sent out both the Local IR Output and the System IR Output.
2. IR signals may be specified in programming as "Local" and be routed through the Local IR Output. See VIA!TOOLS "Help" file for specific information about IR routing.

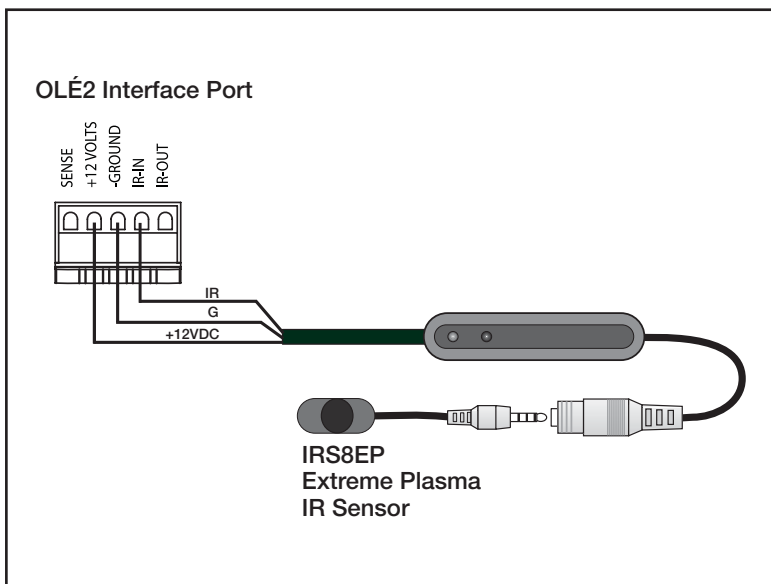


IR IN

The Local IR Input is typically used to connect an external IR sensor to the touchpad. Typical applications include a plasma-friendly IR sensor (ELAN IRS8EP, for example) placed near a TV, or an auxilliary IR sensor placed in an area more convenient than the location of the touchpad. IR signals that are received by the IR Input are sent out both the Local IR Output and the System IR Output.

Connect IR IN, GROUND and +12VOLTS as shown below.

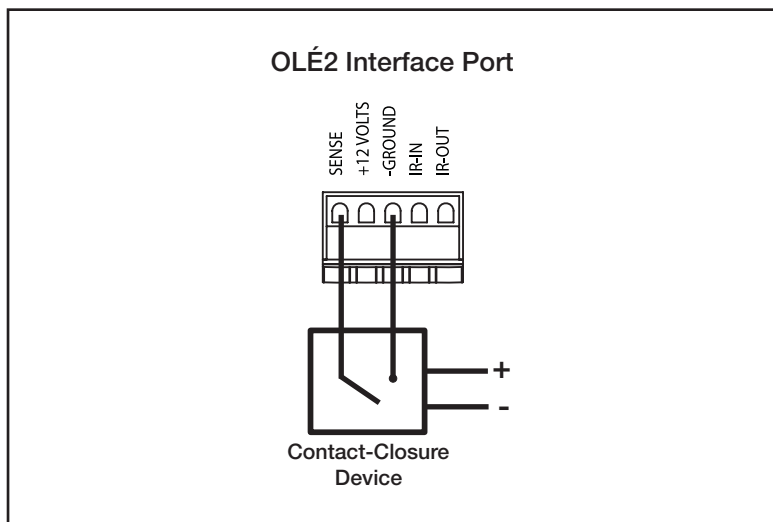
Note: In certain cases, the built-in IR sensor on the OLÉ2 can be flooded with plasma TV interference or other ambient light interference. In this case, connect a plasma-friendly IR sensor (ELAN IRS8EP, for example) to the Local IR Input and disable the built-in IR sensor in VIA!TOOLS.



Sense

The Sense port allows a contact-closure to trigger IR or RS-232 sequences programmed in VIA!TOOLS. Use a motion sensor to activate a contact-closure and cause automated actions such as system power on, drapes closed, and lights dimmed, for example.

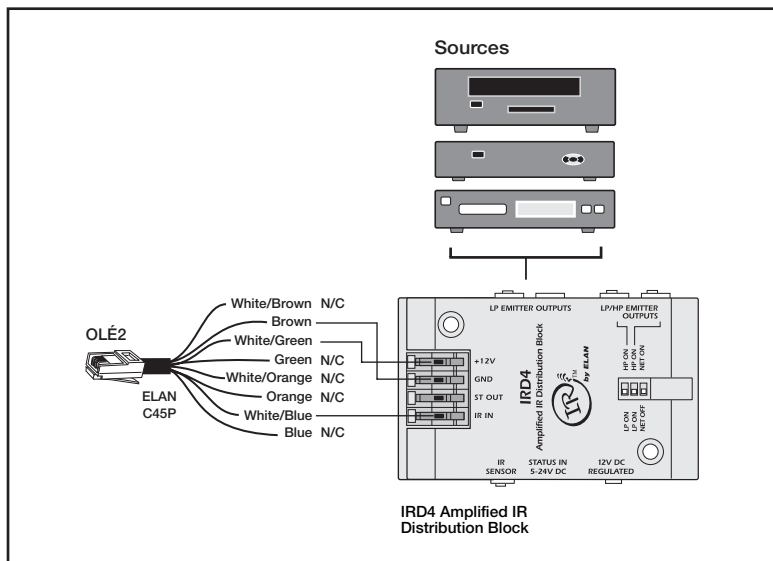
Connect Sense and Ground to a contact-closure device as shown below.



System Connections

Stand-Alone/Home Theater

The OLÉ2 is ideal for use as a stand-alone (non-ELAN) system controller or Home Theater controller. For control of a Home Theater system, the OLÉ2 is combined with a method for IR distribution such as ELAN's **IRD4** Amplified IR Distribution Block. Signals originate at the OLÉ2 and travel to the distribution block where they are routed to each component. In this application, power the OLÉ2 from the IRD4's included power supply, as shown. Place the Z•NET/VIA!NET Switch in the "12v Z•NET" position (to the left).

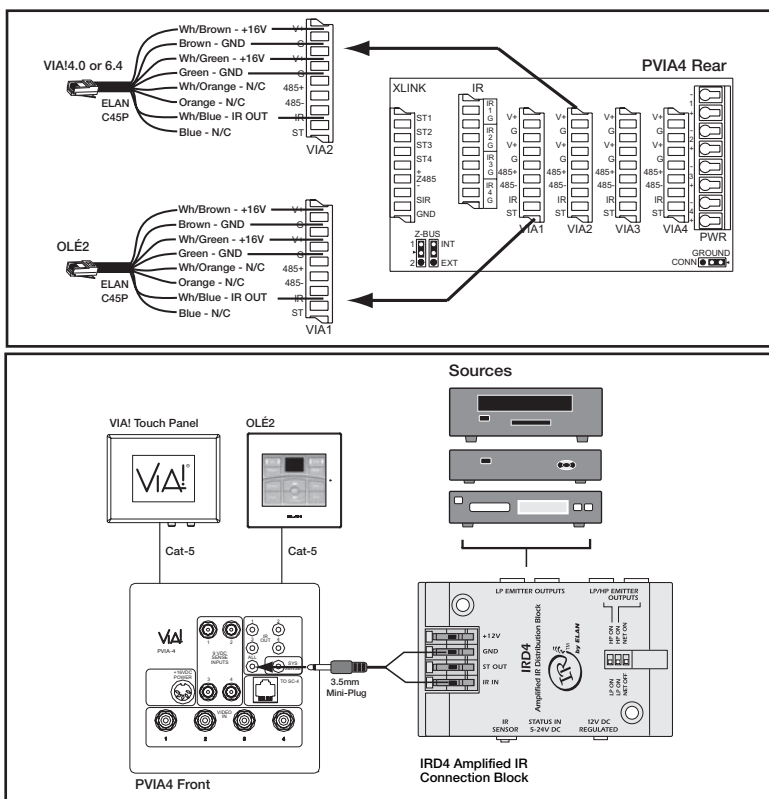


Note: The PWR2 12VDC 200mA Power Supply included with the IRD4 is capable of supporting one OLÉ Touchpad. If additional touchpads will be installed, then the ELAN PWR3 +12VDC 2.1A power supply should be used. The PWR3 will support up to thirteen OLÉ Touchpads. If more than two touchpads will be connected to the IRD4, use jumper wires to connect the additional units prior to the connector locations on the IRD4.

Stand-Alone/Home Theater - Expanded

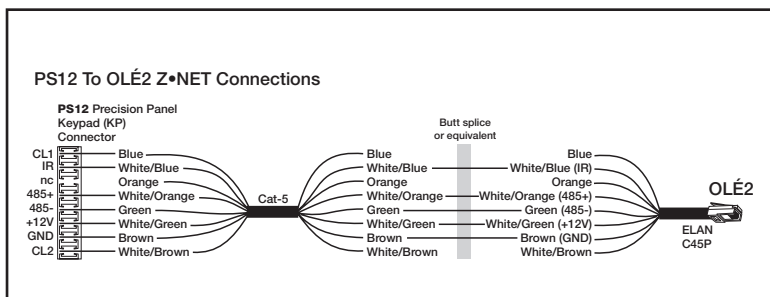
Stand-alone systems (without an ELAN multi-room controller) can be as simple as one OLÉ2 controlling one IR source, or as complex as multiple OLÉ2s, VIA! Touch Panels, keypads, and IR sensors all controlling many IR sources. The diagram below shows an OLÉ2 and a VIA! Touch Panel controlling a stack of A/V gear. Use an ELAN PVIA4 Precision Panel to interconnect all of the controllers. Place the Z•NET/VIA!NET Switch in the “16v VIA!NET” position (to the right).

Note: The PWR4 16VDC 4.3A Power Supply included with the PVIA4 is capable of supporting up to 24 OLE Touchpads in Stand-Alone Mode, however, each punchdown location will only support one wire. If more than 4 touchpads will be connected to the PVIA4, use jumper wires to connect the additional units prior to the punchdown locations on the PVIA4.



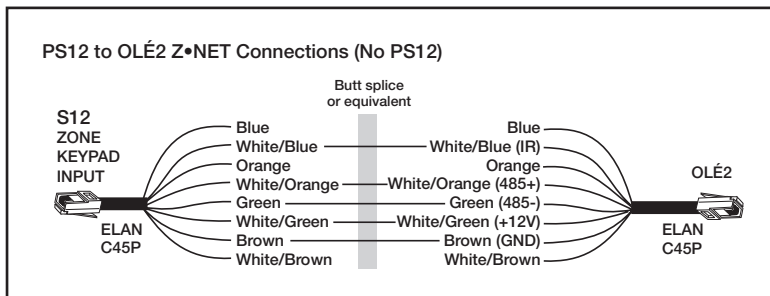
ELAN System12-Z•NET (w/ PS12)

ELAN's PS12 Precision Panel for the System12 Multi-Room A/V Controller (S12) makes quick work out of configuring OLÉ2s to control S12 zones. Using Cat-5, connect IR, RS485+/-, GND, and +12VDC as shown below. Place the Z•NET/VIA!NET Switch in the "12v Z•NET" position (to the left). When used in Z•NET mode, OLÉ2s are considered "keypads" for connectivity purposes in the S12 Installation Manual. Please consult the S12 Installation Manual for additional details.



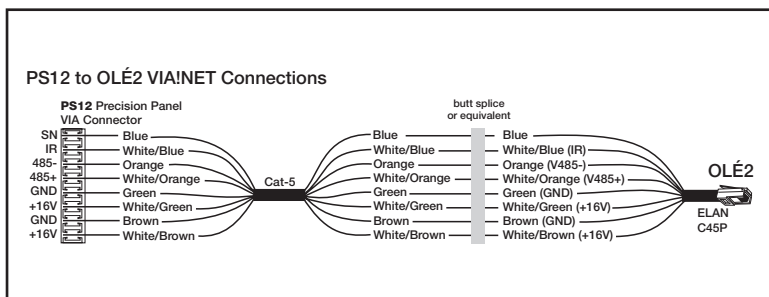
ELAN System12-Z•NET (No PS12)

The diagram below shows the necessary connections for wiring an OLÉ2 to a System12 (in Z•NET mode) when NOT using a PS12 Precision Panel. Using Cat-5, connect IR, RS485+/-, GND, and +12VDC as shown below. Place the Z•NET/VIA!NET Switch in the "12v Z•NET" position (to the left).



ELAN System12-VIA!NET

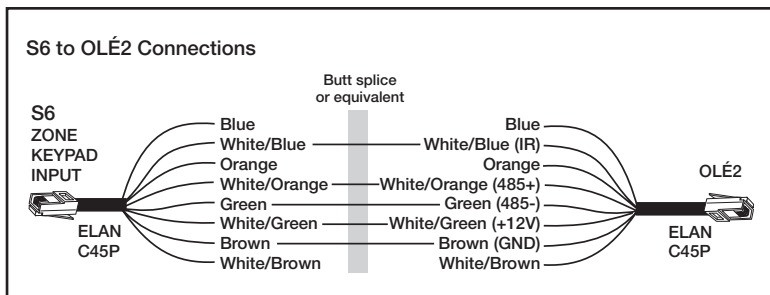
The VIA!NET configuration allows the OLÉ2 to provide RS-232 feedback from certain devices such as security systems or HVAC systems when used in conjunction with a VIA!-SC4 System Controller or VIA!2-SS1 System Station. Use of a PS12 Precision Panel in any S12 application that includes a VIA!-SC4 or VIA!2-SS1 is required. Using Cat-5, connect IR, RS485+/-, GND, and +16VDC as shown below. Place the Z•NET/VIA!NET Switch in the “16v VIA!NET” position (to the right). When used in VIA!NET mode, OLÉ2s are considered “VIA!s” for connectivity purposes in the S12 Installation Manual. Please consult the S12 Installation Manual for additional details. Please consult VIA!® TOOLS Help file for specific information about two-way feedback and RS-232 controlled devices.



Note: Use of a PS12 Precision Panel is required in any S12 application that includes a VIA!-SC4 or VIA!2-SS1.

ELAN System6-Z•NET

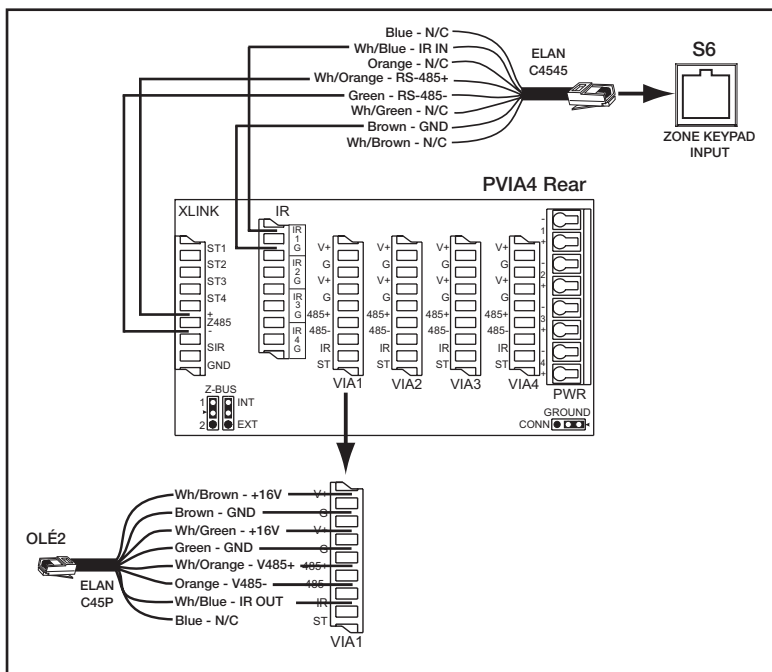
Use OLÉ2s to add functionality and flexibility to ELAN's System6 (S6) six source, six zone preamp controller. Connect IR, RS485+/-, GND, and 12VDC from the OLÉ2 to the S6 as shown. Place the Z•NET/VIA!NET Switch in the "12v Z•NET" position (to the left). OLÉ2s are considered "keypads" for connectivity purposes in the S6 Installation Manual. Please consult the S6 Installation Manual for additional details.



Note: The S6 can support a maximum of one OLÉ2 per zone. If two or more touchpads will be used in a zone, use a PVIA4 or PVIA10 Precision Panel or a PS12 Precision Panel. See **ELAN System6-VIA!•NET** for PVIA4/PVIA10 wiring or **ELAN System12-Z•NET (w/ PS12)** for PS12 wiring (wiring for the S6 is identical to that for the S12).

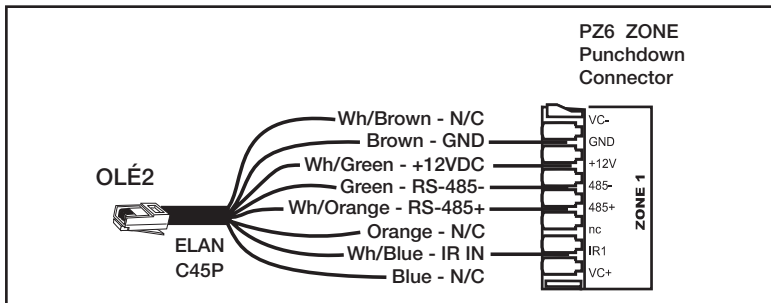
ELAN System6-VIA!•NET

The VIA!NET configuration allows the OLÉ2 to provide RS-232 feedback from certain devices such as security systems or HVAC systems when used in conjunction with a VIA!-SC4 System Controller or VIA!2-SS1 System Station. Use of an ELAN PVIA4 or PVIA10 Precision Panel is required for this application. The drawing below shows a PVIA4 being utilized, PVIA10 connections are identical. Connect IR OUT, V485+/-, GND, and 16VDC from the OLÉ2 to the PVIA4/PVIA10 as shown. Connect Z485+/-, IR, and Ground from the PVIA4 to the S6. Place the Z•NET/VIA!NET Switch on the OLÉ2 in the “16v VIA!NET” position (to the right). Place the Z-BUS jumper on the PVIA4 or PVIA10 to the INT (top) position as shown. Please consult the S6 Installation Manual for additional details. Please consult VIA!®TOOLS Help file for specific information about two-way feedback and RS-232 controlled devices.



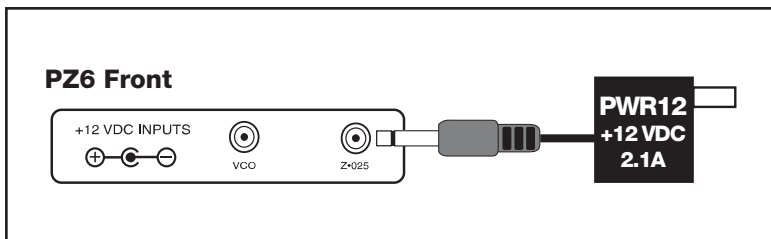
ELAN Z• System-Z•NET (w/PZ6-Three or Fewer Touchpads)

Use a PZ6 Precision Panel for Z• System when installing OLÉ2s in a Z• system. Connect IR, RS485+/-, GND, and 12VDC from the PZ6 Precision Panel to the OLÉ2 as shown. Place the Z•NET/VIA!NET Switch in the “12v Z•NET” position (to the left). OLÉ2s are considered “keypads” for connectivity purposes in the Z•630 Installation Manual. Please consult the Z•630 Installation Manual for additional details.



ELAN Z• System-Z•NET (Four or More Touchpads)

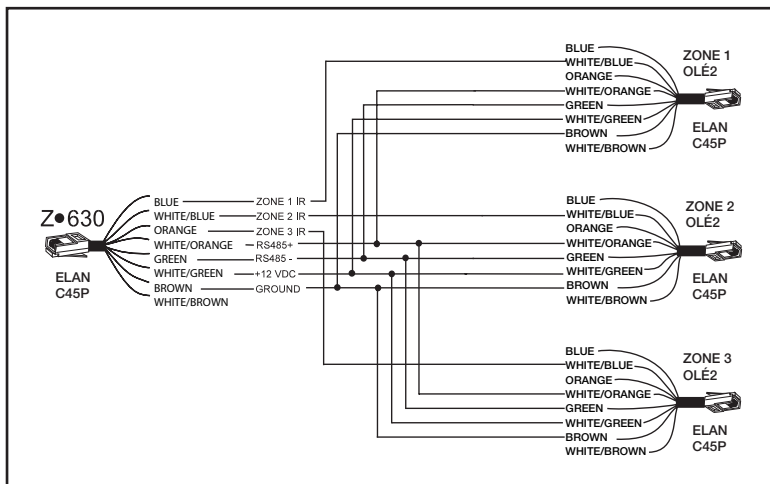
When installing more than two touchpads in a Z• system, a PZ6 Precision Panel and an ELAN PWR12 external power supply are required in order to provide sufficient power. Connect IR, RS485+/-, GND, and 12VDC from the PZ6 Precision Panel to the OLÉ2 as shown above. Place the Z•NET/VIA!NET Switch in the “12v ZNET” position (to the left). Plug an ELAN PWR12 power supply into the jack labelled “Z•025” on the front of the PZ6 Precision Panel. This will disable the internal +12VDC power from the Z•630 and allow up to fourteen OLÉ2 Touchpads to be installed per PZ6. Please consult the Z•630 Installation Manual for additional details.



Note: The PWR12 has reversed polarity compared to other power supplies and **MUST** be utilized in this application. Other +12VDC power supplied will not work!

ELAN Z• System-Z•NET (No PZ6-Three or Fewer Touchpads)

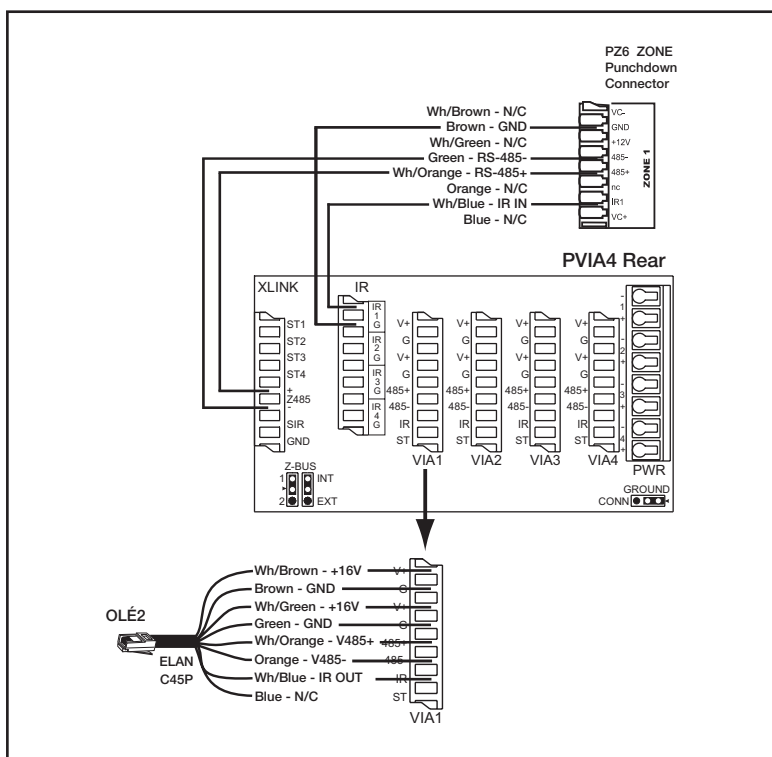
When installing OLÉ2s in a Z• system and NOT using a PZ6 Precision Panel, connect IR, RS485+/-, GND, and 12VDC from the Z•630 to the OLÉ2 as shown. Place the Z•NET/VIA!NET Switch in the “12v Z•NET” position (to the left). OLÉ2s are considered “keypads” for connectivity purposes in the Z•630 Installation Manual. Please consult the Z•630 Installation Manual for additional details.



Note: The Z•630 will support a maximum of three OLÉ2 Touchpads using internal 12VDC power. A PZ6 Precision Panel and an ELAN PWR12 external power supply must be used when more than three touchpads are being installed. See **ELAN Z• System Z•NET (Four or More Touchpads)** for proper connectivity.

ELAN Z• System-VIA!NET (w/ PZ6)

ELAN recommends the use of a PZ6 Z• System Precision Panel when installing OLÉ2s in a Z• system. A PVIA4 or PVIA10 Precision Panel is required when OLÉ Touchpads are being used in conjunction with a VIA!-SC4 or VIA!2-SS1. The drawing below shows a PVIA4 being utilized; PVIA10 connections are identical. Connect IR OUT, V485+/-, GND, and 16VDC from the OLÉ2 to the PVIA4/PVIA10 as shown. Connect Z485+/-, IR, and Ground from the PVIA4 to the PZ6. Place the Z•NET/VIA!NET Switch on the OLÉ2 in the “16v VIA!NET” position (to the right). Place the Z-BUS jumper on the PVIA4 or PVIA10 to the INT (top) position as shown. Please consult the Z•630 Installation Manual for additional details.



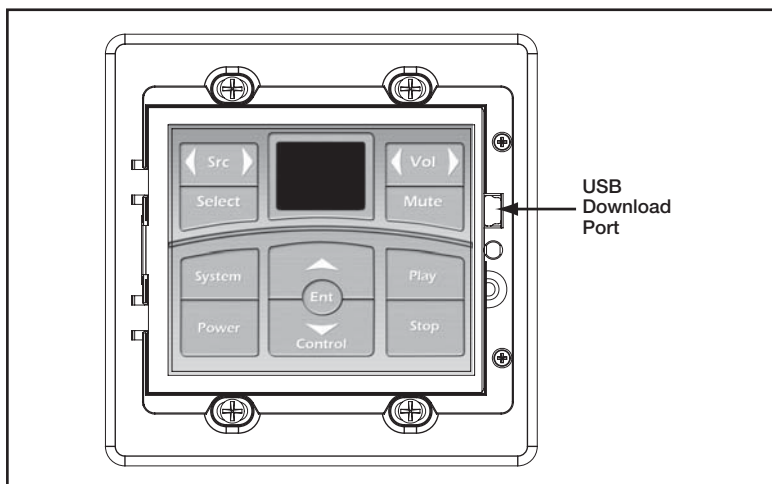
Programming

The OLÉ2 must be programmed with ELAN's VIA!TOOLS Setup Software using a PC running Windows 98 or higher. The OLÉ2 does NOT require the use of a VIA!LEARNER interface component for programming. IR can be learned into VIA!TOOLS directly through the OLÉ's IR Sensor and downloads are facilitated through the USB Download port on the front of the unit.

Note: A Standard USB-A to USB-Mini-B cable must be utilized for programming and is not included with the OLÉ2.

To Download a VIA!TOOLS Project:

- Connect a Standard USB-A to USB-Mini-B cable between a USB port on a PC and the USB Download Port on the front of the OLÉ Touchpad.
- Access the VIA!TOOLS Transfer Page and click on the START Button.
- Wait until "DONE OK" is displayed in the window before disconnecting the USB cable from the USB Download Port.



Downloading to Multiple OLÉ2s

In order to simplify programming, it is possible to download a VIA!TOOLS project into one OLÉ Touchpad and sequentially program all other OLÉs that are connected to the system from a single point of connection.

Please see VIA!TOOLS Help file for complete step-by-step information on programming OLÉ2 Touchpads.

Feature Enable/Disable

Speaker

The OLÉ2 features a small speaker that allows audible feedback signals to be heard as a result of button pushes. This feature can be disabled in VIA!TOOLS setup software. See VIA!TOOLS Help File for specific instructions.

Light Sensor

The OLÉ2 has a light sensor that causes the backlights of the unit to brighten or dim depending on the ambient light levels in the room in which it is installed. This feature can be disabled in VIA!TOOLS setup software. See VIA!TOOLS Help File for specific instructions.

IR Sensor

The OLÉ2's built in IR Sensor has two functions.

1. IR signals from a hand-held IR remote control pass through the IR sensor and travel to the head-end location where they control IR sources located there. These sources may be connected to an ELAN Multi-Zone Controller or an IR distribution network.
2. IR signals from hand-held remotes may be learned through the built-in IR sensor. Connect a computer to the USB Download Port and open VIA!TOOLS Setup Software. Follow the procedures outlined in VIA!TOOLS Help file for IR Learning.

This feature can be disabled in VIA!TOOLS setup software. See VIA!TOOLS Help File for specific instructions.

Program Button

This button is reserved for future use.

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Limited Warranty

ELAN HOME SYSTEMS L.L.C. ("ELAN") warrants the OLE'2 Film Interactive Touchpad to be free from defects in materials and workmanship for the period of two years (2 years) from date of purchase. If within the applicable warranty period above purchaser discovers that such item was not as warranted above and promptly notifies ELAN in writing, ELAN shall repair or replace the item at the company's option. This warranty shall not apply (a) to equipment not manufactured by ELAN, (b) to equipment which shall have been installed by other than an ELAN authorized installer, (c) to installed equipment which is not installed to ELAN's specifications, (d) to equipment which shall have been repaired or altered by others than ELAN, (e) to equipment which shall have been subjected to negligence, accident, or damage by circumstances beyond ELAN's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or other catastrophic events beyond ELAN's control, or to improper operation, maintenance or storage, or to other than normal use of service. With respect to equipment sold by, but not manufactured by ELAN, the warranty obligations of ELAN shall in all respects conform to the warranty actually extended to ELAN by its supplier. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation or other expenses which may be incurred in connection with repair or replacement.

Except as may be expressly provided and authorized in writing by ELAN, ELAN shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured by ELAN or services rendered by ELAN.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES EXCEPT WARRANTIES OF TITLE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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To ensure that consumers obtain quality pre-sale and after-sale support and service, ELAN Home Systems products are sold exclusively through authorized dealers. ELAN products are not sold online. The warranties on ELAN products are NOT VALID if the products have been purchased from an unauthorized dealer or an online E-tailer. To determine if your ELAN reseller is authorized, please contact ELAN Home Systems at (859) 269-7760.



Lexington, KY

www.elanhomesystems.com